Undergraduate Research Experiences for STEM Students: Successes, Challenges, and Opportunities

Friday, June 2nd, 2017
9:00 am - 3:00 pm
Room 100, Keck Building, 500 Fifth St NW, Washington DC

9:00-10:00 Welcome and Introduction to the Report
Heidi Schweingruber, Director, Board on Science Education
Jim Gentile (committee chair), Emeritus Dean of Natural and Applied Sciences, Hope College

Overview of the Report
Heather Thiry, Research Associate, Ethnography and Evaluation Research Center, University of Colorado-Boulder

Commentary on the Report
Gabriela Weaver, Vice Provost for Faculty Development and Director of the Center for Teaching and Faculty Development, University of Massachusetts, Amherst

10:00-10:30 A Case Study in Expanding Capacity for UREs
Moderator: Jim Gentile

Institutionalizing Undergraduate Student Research, Scholarly, and Creative Activity
Jeffrey Osborn, Dean of the School of Science, The College of New Jersey

10:30-10:45 Break

10:45-12:00 Panel: Building Institutional Capacity for UREs
Opening Remarks by Moderator:
Deborah Carter, Associate Professor of Higher Education, Claremont Graduate University
Five minute presentations by panelists

- Marco Molinaro, Assistant Vice Provost for Educational Effectiveness and Director, Center for Educational Effectiveness, 
  University of California, Davis
- Michael Dorff, Professor of Mathematics, 
  Brigham Young University
- Heather Belmont, Dean of Science 
  Miami Dade College
- Sue Ebanks, Assistant Professor of Marine and Environmental Sciences, 
  Savannah State University

12:00-1:00  Lunch and Informal Discussions

1:00-2:15  Presentations on Building Evidence of Student Learning in UREs

Opening Remarks by Moderator:
Mica Estrada, Associate Professor of Nursing
University of California, San Francisco

Measuring Motivational and Other Psychological Factors in URE Participants
Paul Hernandez, Assistant Professor in Educational Psychology, 
West Virginia University

Assessing whether CUREs meet research and pedagogical goals
Sara Brownell, Assistant Professor, School of Life Sciences, 
Arizona State University

Understanding Students’ Identities as Researchers
Courtney Faber, Research Assistant Professor and Lecturer, 
Engineering Honors Program, The University of Tennessee

2:15-2:45  Closing Reflections

Susan Singer, Vice President for Academic Affairs and Provost, 
Rollins College

Jim Gentile (committee chair), Emeritus Dean of Natural and Applied Sciences, 
Hope College